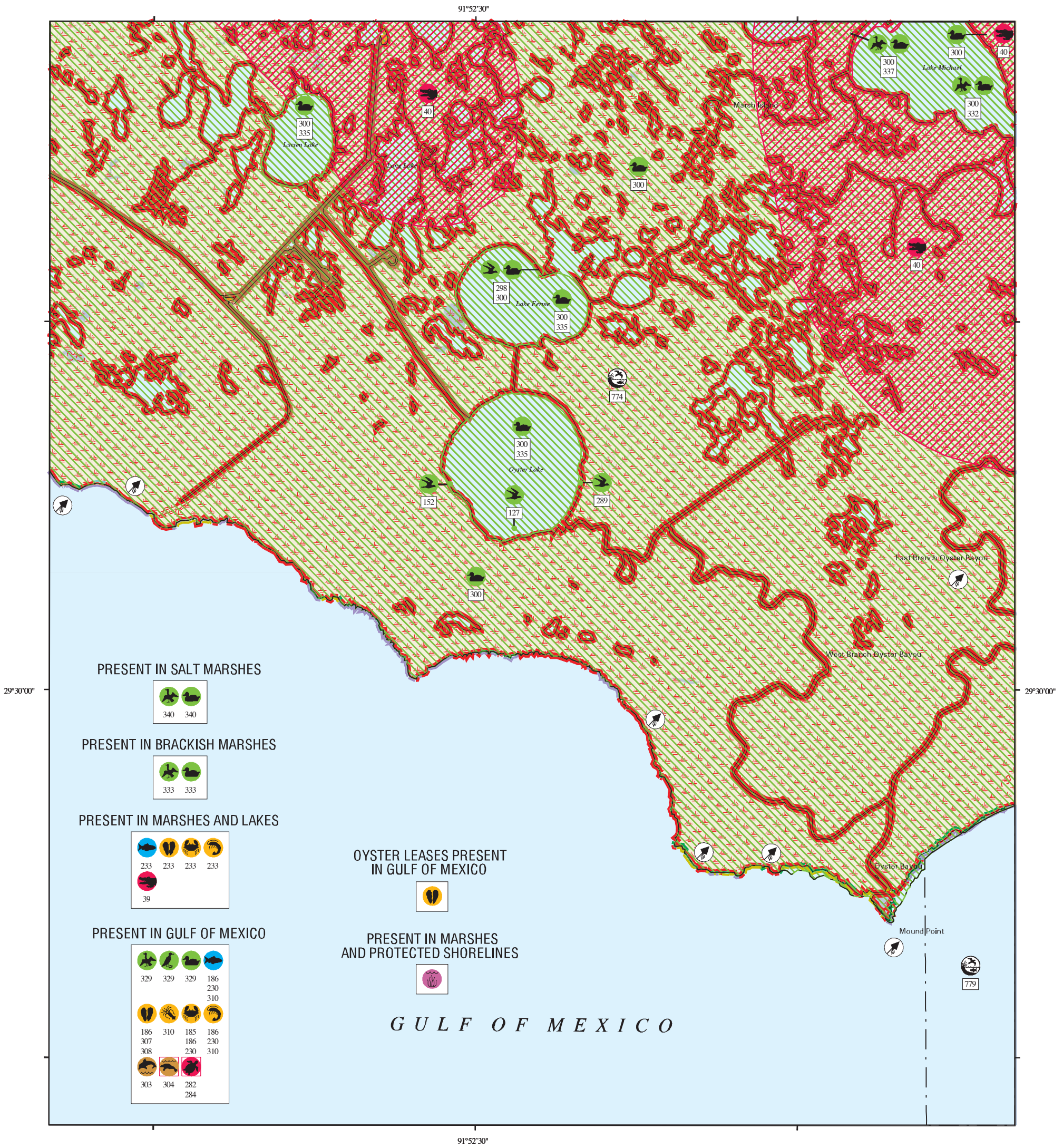


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN CLAY OR MUD
- 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY OR MUD
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL (SHELL) BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS IN CLAY OR MUD
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 8E PEAT
- 9A SHELTERED TIDAL FLATS
- 9B VEGETATED LOW BANKS
- 10A SALT-AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS, INCLUDING BLACK MANGROVES

SCALE 1:50000

1 0.5 0 1 KILOMETER

1 0.5 0 1 MILE

1 0.5 0 1 NAUTICAL MILE

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Gulf of Mexico

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Volume 1

Gulf of Mexico

Louisiana ESI - Volume 1 **ESI-22**

Louisiana: ESIMAP 22 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
233	Shad	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Southern flounder	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV	
	Spotted gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC	
	Spotted seatrout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV	
	Striped mullet	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	White trout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV	
310	Anchovies	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC	JAN-DEC	
	Atlantic sharpnose shark	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Atlantic spadefish		X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	SEP-MAY	JAN-DEC	
	Atlantic tripletail		X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-SEP	APR-SEP	
	Blacktip shark	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	MAR-OCT	MAR-OCT	
	Bull shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	MAR-OCT	
	Cobia		X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	JUN-SEP	JUN-SEP	
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	NOV-MAY	-	JAN-DEC	
	Finetooth shark		X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	MAR-OCT	MAR-OCT	
	Florida pompano		X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-AUG	APR-NOV	APR-NOV	
	Forage fish		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gray snapper		X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	JAN-DEC	JAN-DEC	
	Gray triggerfish		X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	APR-SEP	JAN-DEC	JAN-DEC	
	Great barracuda		X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC	
	Great hammerhead		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Herrings and sardines		X	X	X	X	X	X	X	X	X	X	X	-	-	APR-SEP	JAN-DEC	JAN-DEC	
	King mackerel		X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	MAR-NOV	MAR-NOV	
	Lane snapper		X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC	
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-NOV	SEP-NOV	JAN-DEC	JAN-DEC	
	Scalloped hammerhead		X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	JAN-DEC	JAN-DEC	
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X	JAN-APR	JAN-APR	JAN-MAY	-	DEC-MAR	
	Shortfin mako		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	SEP-FEB	SEP-FEB	SEP-APR	-	JAN-DEC	
	Spanish mackerel		X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	MAR-OCT	MAR-OCT	
	Spinner shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-	
	Tarpon		X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	MAY-NOV	MAY-NOV	
	White trout		X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	JAN-DEC	

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
185	Blue crab	HIGH SPAWNING CONC						X	X	X					JUN-AUG	-	-	-	-
186	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Atlantic seabob shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-NOV	JAN-DEC	JAN-DEC
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	River shrimp	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	APR-JUL	-	APR-JUN
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC
230	Atlantic seabob shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-MAY	SEP-MAY	SEP-MAY
	Grass shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC
233	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-NOV	JAN-DEC	JAN-DEC
	Brown shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAR-JUN	-
	Fiddler crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
	Grass shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	MAR-NOV	-
307	Eastern oyster	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
308	Eastern oyster	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
310	Brown shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	-	JAN-DEC
	Squid	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
303	Bottlenose dolphin	VERY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
304	West Indian manatee	E E RARE TO UNCOMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Internesting	Juveniles	Adults
39	American alligator	76-125 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC
40	American alligator	<75 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC
282	Kemp's ridley sea turtle	E E ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-SEP	-
284	Green sea turtle	T T OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV
	Hawksbill sea turtle	E E VERY RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	-
	Leatherback sea turtle	E E RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Loggerhead sea turtle	T T COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV

HUMAN USE RESOURCES:

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
774	MARSH ISLAND WILDLIFE REFUGE	LDWF	
779	PUBLIC OYSTER AREA	LDWF	

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. The LDWF-LNHP provided information for some of the federally and state listed species and species of conservation concern for display in the ESI atlas and accompanying digital data in 2013. The available LNHP data sets are to be used for oil spill response and spill response planning only. These data represent existing information known to the LNHP at the time of the request and should never be substituted for consultation with the LNHP. The more spatially generalized 2011 polygonal waterbird colony data was provided by LNHP and the more spatially specific 2006 point waterbird colony data was provided by BTNEP. The display of these two data sets does not imply that EITHER or BOTH sets of polygons and/or points (especially if counts are aggregated) reflect current nest locations OR counts, but rather are to be used as a guide for what species could be present.